

The Use of the Telomerization Reaction for
the Synthesis of α -Aminocarboxylic Acids
and the Preparation of New Polyamide Fibers
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Based on it, by Alexander N. Nesmeyanov,
Alexander Stropikheev, A. Froidline, R. Kh.
Zakharkin, L. I. Vasileva, E. I. Ovakinyan,
G. B., and others,
GERMAN, per, Chemische Technik, Vol 9, 1957,
No 3, pp 139-150
SLA TT-65-10121

Alexander N. Nesmeyanov

A New Method of Preparation of Alkoxy Derivatives
of Zirconium, by E. M. Brainina, R. Kh.
Freidlina, A. N. Masnyanov, ~~XXXXXXXXXX~~
~~XXXXXXXXXX~~

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
1960, pp 63-67.

Sci - Chem
May 61

08
~~XXXXXXXXXX~~

150,169

Addition of Hydrogen Bromide to 3,3-Dichloropropene in Presence of Benzoyl Peroxide, by R. Kh. Freidlina, M. Ya. Kharlina, A. N. Sezayyanov, 4 pp.

RUSSIAN, per, in Ak Nauk SSSR, Otdel Khim Nauk, No 4, 1960, pp 658-661.

CB

Sci

May 62

194,457

The Vapor Pressure of Calcium and Strontium
Below the Melting Points by a Tracer Technique,
by Yu. A. Priselkov, An. N. Nesmeyanov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCV, 1954,
pp 1207-1210.

AEC-tr-5911

Sci-Phys

Sep 63

345, 247

A Study of Hydrogen Exchange in Nonbenzoid (Surocens)
Aromatic Systems. Communication 1. Hydrogen
Exchange between Ferrocene and Mono- and diacetyl
Ferrocene and Acids.

By A. N. Nesmeyanov, D. N. Kyrzanov pp. 6

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11,
1962, pp. 1936-1941

CB

SCI

Sep 63

244,205

(NY-5977)

Chemical Transformations of Dialkoxytitanium Oxides,
by A. N. Neameyanov, O. V. Nogina, A. M. Berlin,
et al, 25 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 7, 1960, pp 1206-1214.

JPRS 9249

Sci - Chem

Jun 61

155,053

The Telomerization of Ethylene With Tetra-
E chloroethylene, by A. N. Nesmeyanov, R. Kh.
Freidlina, A. B. Belyavskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 5,
1958, pp 821-824.

CB

Sci - Chem
Oct 59

100,059

Synthesis of Organometallic Compounds by Method of Binary
Ammonium Salts Report XVI, Synthesis of Organo-
ammonium Compounds, by A. N. Besmel'yanov, K. A. Kocheshkov,
1952.

MAKSHAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, Vol VI,
1954, pp-416-431.

NIH

RT-627

107

Scientific - Chemistry

Sep 53 CIB

5456

Preparation of Metallic Derivatives of Vinyl
Alcohol, by A. N. E. ~~Mezhenyayev~~, M. F. Lutsenko,
R. M. Khomutov, 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIX, No 5,
1958, pp 1049-1051. 9038085

MIH

Sci- Chem

May 59

86,408

Isotopic Exchange of Phosphorous Between the
Phosphate Ion and Esters of Phosphoric Acid by
A. F. Lukovnikov, V. P. Medvedev, M. B. Reiman,
An. n. Resmeyanov and I. S. Shaverdina

RUSSIAN, Dok Ak Nauk SSSR, Vol 70, No 1, pp 43-5,
1950

See Upton, New York State: Brookhaven National
Laboratory. Guide to Russian scientific per lit,
Vol 3, No 7, Jul 1950, pp 187-189
Sci Museum Lib No 50/3274 - London

Scientific

Optically Active Organomercury Compounds.
Communication 2. Mechanism of Electrophilic
Substitution at a Saturated Carbon Atom, by A. N.
Nesmeyanov, O. A. Reutov, S. S. Poddubnaya, 8 pp.

RUSSIAN, Limbo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, USSR, 1953, pp 850-859. CIA DIS/001

Consultants Bureau

Scientific - Chemistry

20,619

CTS 64/Jan 55

Alkylation and Acylation of (Chloromercuri)
Acetaldehyde, by A. M. Nesmeyanov, E. G.
Perevalova, 5 pp.

Full translation.

RUSSIAN, bino per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 1002-1007. CIA C 41022.

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32,020

Decomposition and Formation of Onium Salts, and
the Synthesis of Hetero-Organic Compounds.
Communication 8, Decomposition of Benzenedia-
zonium Fluoborate in Presence of Nitriles, by
L. G. Makarova, A. N. Khasheyanov, 5 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 1019-1023. CIA C BXE 41022

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32,022

Investigation of the Products of the Addition of
Mercury Salts to Disubstituted Acetylenes, by A. E.
Borisov, V. D. Vilchevskaya, A. N. Nesmeyanov, 8 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 1008-1018. CIA C 41022

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32,144

Cyclopentadienylethoxytitanium Bis-8Hydroxyquinolate,
by A. N. Nesmeyanov, O. V. Nogina, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel X Khim Nauk,
No 5, 1963, pp831-834.

CB

Sci
May 64

259,210

Synthesis of the Aromatic Compounds of Tin Via
Aryl Diazonium Fluoborides, by A. N. Nesmeyanov,
L. G. Makarova, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
LXXVII, No 3, 1952, pp 421-422.

Sci Trans Center RF-922
N/A

Scientific - Chemistry
CTS/DEX

14,033

Synthesis of Thallium Aromatic Compounds Through
Diazo Compounds, by A. N. Nesmeyanov, L. G. Makarova,
10 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVII,
No 3, 1952, pp 417-420.

NIH
Sci Trans Center RT-923

Scientific - Chemistry
CIS/DEX

14,034

Contact Bonds and the New Structural Theory, by
A. N. Kosmyanov, 7 pp.

Full translation.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, Jan-Feb 1953, pp 196-200.

2

Consultants Bureau

USSR

Scientific - Miscellaneous

Aug 53 CTS

4519

Synthesis of Isoxazoles From β -Chlorovinyl Ketones,
by H. K. Kochetkov, A. N. Nesmeyanov, H. A. Semenov,
6 pp.

Full translation.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, Jan-Feb 1952, pp ~~90-92~~ 87-92.

Consultants Bureau

USSR
Scientific - Chemistry

Aug 53 CTS

4508

New Method of Synthesizing Trialkoxytitanium Chlorides,
by O. V. Nogina, R. Kh. Freidlina, An N. Besmeyanov,
5 pp.

Full translation.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, Jan-Feb 1952, pp ~~44-45~~ 74-77.

Consultants Bureau

USSR
Scientific - Chemistry

Aug 53 CTS

4506

Stereoisomeric Sodium Enolates, by A. N. Kosheyanov,
B. A. Sazonova, E. I. Vasilyeva, 9 pp.

Full translation.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, Jan-Feb 1952, pp ~~8-16~~ 78-86.

Consultants Bureau

USER

Scientific - Chemistry

Aug 53 CTS

4507

Reaction of Ferrocene With Diazo Compounds, by
A. N. Nesmeyanov.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol XCIX, 1954, pp 539-542.

Assoc Tech Sv RJ-251
\$6.40

Scientific - Chemistry
CTB 73/Oct 1955

27,699

Reactions of Diphenylbromonium, Diphenylchloronium
and Triphenyloxonium Salts With Metals, by A. H.
Nesmeyanov, T. P. Tolstaya, L. S. Isayeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV, No 2,
1959, pp 330-333.

Consultants Bureau

119,522

Sci

Jun 60

Preparation of Ketones Containing an Atom of Tin in
a Position α to the Carbonyl Group, by A. N.
Nesmeyanov, I. F. Lutsenko, S. V. Ponomarev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 5,
1959, pp 1073-1075.

Consultants Bureau

Sci.

119,474

Jun 60

Vinyl Esters of Phosphorous Acid, by A. N. Nemesyanov,
I. F. Lutsenko, Z. S. Kraits, A. P. Bokovoy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 6,
1959, pp 1251-1254.

Consultants Bureau

Sci

Jun 60

119,478

Synthesis of Ferrocene Derivatives by Means of N,N-Dimethylaminomethylferrocene Methiodide, by A. M. Mesmeryanov, E. G. Perevalova, L. S. Shilovtseva, Yu. A. Ustynyuk, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 2, 1959, pp 331-334.

Consultants Bureau

Sci

119,453

Jun 60

Synthesis of 2,8-Dialkyl-1,9-Diazadehydroquinolizinium
Salts, by A.N. Neameyanov, M. I. Rybinskaya, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXV, No 1,
1959, pp 97-100.

Consultants Bureau

Sci

119,518

Jun 60

Derivatives of Unsaturated Phosphonic Acids. Communi-
cation 7. Diesters of 2-Phenoxyvinyl-phosphonic Acid,
by K. N. Anisimov, N. E. Kolobova, A. N. Mesnyanov,
2 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim. Nauk,
No 3, May Jun 1955, pp 432-434. CIA C 39502

Consultants Bureau

USSR
Scientific - Chemistry

Nov 55 CTS/DEX

28,802

Hydrogen Substitution Reactions of Ferrocene,
by A. N. Nemeyanov.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol XCVII, 1954, pp 459-461.

Assoc Tech Sv RJ-252
\$5.60

Scientific - Chemistry
CTB 73/Oct 1955

27,700

SLA 59-10159

61-20228

Nesmeyanov, A. N., Perevalova, E. G. and others.
ARYL FERROCENES AND FERROCENYLAMINE.
[1961] 8p. 4 refs.

Order from OTS or SLA \$1.10

61-20228

Trans. of Akademiya Nauk SSSR. Doklady, 1955,
v. 102, no. 3, p. 535-538.

DESCRIPTORS: *Ferrocenes, *Nitrophenols, Phenols,
*Amines, *Anilines, Isomers, Chemical reactions,
Synthesis.

Experiments are described in which m-nitrophenyl-
ferrocene and p-ferrocenylphenol were obtained with
diaz compounds and in which m-nitrophenyl-
phenylferrocene and the previously described p-isomer
(Akad. Nauk SSSR. Doklady 97: 459-461, 1954; avail-
able in translation from LC or SLA as 59-10645) were
used for preparing m- and p-ferrocenylanilines.
(Chemistry--Organic, TT, v. 6, no. 11)

I. Nesmeyanov, A. N.
E. G. Perevalova, E. G.

Office of Technical Services

Application of Adsorption Chromatography in Work
with Ferrocene Derivatives

By A. N. Nesmeyanov, I. I. Kritskaya (p. 6)

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 10, 1962, pp. 1777-1782

CB

Sci

Aug 63

343,108

Addition of Benzenethiol to 2-Cyanovinyl
Ketones, by A. N. Nesmeyanov, L. V. Rybin,
3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 8, 1961, pp 1451-1453.

CB

Sci

Jul 62

202,704

The Vapor Pressure of Thallium Determined by the Use of
Radioactive Tracers, by L. Kh. Genov, An. H.
Mezmayanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 1, 1961,
pp 159-161.

CB

Sci1

May 62

196,504

Synthesis of Azoferrocene and Its Reduction and
E Behavior Under Conditions of the Benzidine Rearrange-
ment, by E. G. Verevalova, A. N. Kamaryanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 5,
1961, pp 1118-1121.

CB

Sci

May 62

195,210

Preparation of Some Chloro Fluoro Derivatives from
1,1,1,3-Tetrachloropropane, by A. N. Nesmeyanov, V. N. Kost, pp 5

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, 1960, pp 447-451.

CB

Sci
May 62

195,354

Reactions of o-Carboxybenzoylferrocene, by A. N.
Nesmeyanov, V. D. Vil'chevskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 2,
1961, pp 390-392.

CB

Sci

195,194

May 62

Synthesis of W,W,V-Trichloroalkylamines and W,W-Dichloroalkenylamines, by A. N. Nesmeyanov, L. I. Zakharkin, R. Kh. Freidlin, 6 pp.

Full translation

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, USSR, Jan/Feb 1954, pp 34-40. CIA D 151104

Consultants Bureau

Scientific - Chemistry

CNS 66/Mar 55

21,842.

Synthesis of Organomercury Compounds by a Reaction
of Organic Halogen Compounds With Mercury, by
O. A. Reutov, A. N. Mesnyanov, 8 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 4, USSR, 1953, pp 655-664.

Consultants Bureau

Scientific - Chemistry

Dec 54 CTS

19,729

The Synthesis of 2-Alkyl-naphtho- and 2-Alkyl-
benzopyranyl Salts from β -Chlorovinylketones,
A. N. Besmeyanov, N. K. Kochetkov, M. I.
Rydinskaya, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 3, May/Jun 1953, USSR, pp 479-483.

CIA C 36692

Consultants Bureau

Scientific - Chemistry

CTS/DEX

19,443

Optically Active Organomercury Compounds.
Communication 1. Preparation of the Diastereo-
isomeric (1)-Menthyl Esters of (Bromomercuri)Phen-
ylacetic Acid, by A. N. Menzhanov, O. A. Reutov,
S. S. Poddubnaya, 5 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 4, USSR, 1953, pp 649-654.

Consultants Bureau

Scientific - Chemistry

Dec 54 CIB

11,728

Nesmeyanov, A. N. and Kocheshkov, K. A.
SYNTHESIS OF METALLOORGANIC COMPOUNDS BY
METHOD OF DOUBLE DIAZONIUM SALTS. XVII.
SYNTHESIS OF TETRAPHENYLLEAD BY THE AC-
TION OF METALLIC LEAD POWDER ON PHENYL-
DIAZONIUM BOROFLUORIDE. [1963] 5p. 10 refs.
Order from OTS or SLA \$1.10 63-16035

Trans. of Akademiya Nauk SSSR, Otdelenie Khimiche-
skikh Nauk, Izvestiya, 1945, no. 5, p. 522-524.

DESCRIPTORS: *Phenyl radicals, *Lead compounds,
*Boron compounds, *Fluorides, Lead, Metal powders,
Azo radicals, *Metalorganic compounds, Synthesis
(Chemistry).

It is shown that through the decomposition of phenyl-
diazonium borofluoride with metallic lead powder
tetraphenyllead is obtained. (Author)
(Chemistry--Organic, TT, v. 10, no. 9)

63-16035

1. Title: Phenyl-diazonium
borofluoride
2. Title: Tetraphenyllead
I. Nesmeyanov, A. N.
II. Kocheshkov, K. A.
III. Title: Synthesis . . .

Office of Technical Services

Splitting of Hydrogen Chloride From $\alpha,\alpha,\alpha,\omega$ -Tetra-
chloroalkanes and α,α,α -Trichloroalkanes, by
A. N. Nesmeyanov, L. I. Zakharkin, 3 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, USSR, Nov/Dec 1953, pp 988-990. CIA D 151103

Consultants Bureau

Scientific - Chemistry

CTS 66/Mar 55

21,800

New Possibilities for the Synthesis of Organoanti-
mony Compounds Through the Double Diazonium Salts
of Antimony Trichloride, by A. N. Neumeyanov, O. A.
Reutov, O. A. Ptitsyna, 11 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCVI,
No 6, 1953, pp 1341-1344.

NIH

Scientific - Chemistry

AT-22-70

CTS 65/Feb 1955

21,248

Synthesis of Aromatic Organometallic Compounds of
Bismuth Through Diazo Compounds, by A. N.
Nesmeyanov, T. P. Tolstaya, L. S. Isayeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 4,
1958, pp 614-617.

CB

Sci - Chem
Oct 59

109052

Synthesis of Arylstibonic Acids via Double Salts of
Diazonium Salts and Antimony Pentachloride, by
A. N. Nesmeyanov, O. A. Rstov, P. G. Knol, 6 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, USSR, May-Jun 1954, pp 410-417. CIA D 151316

Consultants Bureau

Scientific - Chemistry

23,756 CTS 68/May 55

Preparation of Tetraphenyl- and Tetra-p-Tolyl-Lead
by the Decomposition of Arenediazonium Fluoborates
With Lead-Sodium Alloy, by A. N. Masseyanov,
XXI L. G. Makarova, 2 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 2, 1954, pp 380. CIA D 151309

23,328

Consultants Bureau

Scientific - Chemistry

May 55 CTS/DEX

Reactions of 3,3,3- and Trichloropropenes, by
W. Nesmeyanov, L. I. Zakharkin, V. N. Kost,
M. Freidlina, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
2, 1954, pp 258-265. CIA ID 151309

Consultants Bureau

Scientific - Chemistry

May 55 CTS/DEX

23, 411

Use of the Salt $(C_6H_5N_2Cl)_2 \cdot SbCl_3$ in the Double-Diazonium-Salt Method, by A. N. Nesmeyanov, H. K. Gipp, L. G. Makarova, K. K. Morigova, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, Mar/Apr 1953, pp 298-302.

Consultants Bureau

Scientific - Chemistry

CTS/DEX

17,986

Methods for the Preparation of Mixed Alkyl
Orthotitanates Having the Structures $(RO)_3TiOR'$
and $(RO)_2Ti(OR')_2$, by A. M. Nesmryanov, O.V.
Mogina, 4 pp.

Full translation

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 1, USSR, Jan/Feb 1954, pp 41-46.
CIA D 151104

Consultants Bureau

Scientific - Chemistry

CBS 66/Mar 55

21,843

Absorption Spectra of Pyrilium Salts, by A. N.
Mergoyanov, I. A. Kazitsyna, N. K. Kochetkov, M. N.
Sybolinskaya, 10 pp.

RUSSIAN, bimo per, Iz Ak. Nauk SSSR, Otdel Khim Nauk,
No 5, Sep-Oct 1954, pp 784-795. CIA C 39501

Consultants Bureau

Scientific - Chemistry
Nov 55 CTS/DEX

28,828

Synthesis of Sulfur-Containing Polyhalo Compounds
of α, α' -Thiodicarboxylic Acids, by A. N.
Nesmeyanov, L. I. Zakharkin, R. G. Petrova, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 2, 1954, pp 253-257. CIA D151309

23,410

Consultants Bureau

Scientific - Chemistry

May 55 CWS/DEX

Rearrangement of 2-Phenoxyvinyl Ketones, by A. N.
Mesmerov, N. K. Kochetkov, M. I. Rybinskaya, 7 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, USSR, May-Jun 1954, pp 418-426. CIA D 151316

Consultants Bureau

Scientific - Chemistry

CTS 68/May 55

23,757

Derivatives of Unsaturated Phosphonic Acids. Communication 2. β -Alkoxy(phenoxy)vinylthiophosphonyl and β -Arylvinylthiophosphonyl Chlorides, by K. N. Anisimov, N. E. Kolobova, A. N. Negnyanov, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, Sep-Oct 1954, pp 796-798. CIA C 39501

Consultants Bureau

Scientific - Chemistry
Nov 55 CTS/DEX

28829

Derivatives of Unsaturated Phosphonic Acids. X
Communication 5. Esters of 2-Ethoxy-, 2-Propoxy-,
2-Butoxy-, and 2-Hexyloxyvinylphosphonic Acids, by
N. E. Kolobova, A. N. Mesnyanov, 8 pp.
K. N. Anisimov,
Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, Mar/Apr 1955, pp 240-248. CIA D 151364

Consultants Bureau

Scientific - Chemistry

25,952

Intramolecular Acylation in the Ferrocene Series,
by A. N. Mesmeyanov, M. A. Vol'kenau, V. D. Vil'-
chevskaya, 6 pp.

Full tr

RUSSIAN, trlice-mo per, Dok Ak Nauk SSSR, Vol CXI,
No 2, Nov 1956, pp 362-364.

ATIC F-TS-9263/III

Sci - Chemistry
Oct 57

53,492

Launching of the First Artificial Satellites, by
A. N. Meshchyanov, 6 pp.

RUSSIAN, per, Vest Ak Enuk SSSR, Vol XXVIII,
No 1, 1958, pp 5-7. CIA 9041078

CIA 9043837

AEC 3449

Sci - Spac Res

Jan 59

79,770

V
Derivatives of Unsaturated Phosphonic Acids. Communi-
cation 16. Diesters of 2-Indenylphosphonic Acid, by
K. N. Anisimov, A. N. Neameyanov, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 1, Jan/Feb 1956, pp 16-18. CIA 542767 c,
reel 3.

Sci - Chemistry

Consultants Bureau

Aug 1956

37,563

Chlorination and Dehydrochlorination of Polychloro
Compounds Containing Reactive Groups, by R. Kh.
Freidlina, V. N. Kost, A. N. Nesmerjanov, 6 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, Mar/Apr 1955, pp 233-239. CIA D 151364

Consultants Bureau

Scientific - Chemistry

25,951

Trialkoxytitaniums and Dialkoxytitanium Oxides, by
A. N. Nesmeyanov, et al.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCV,
No 4, 1954, pp 813-815.

Assoc Tech Sv

FIJ-345

Sci - Chemistry.

36,998

\$6.60

Aug 1956

S-1600

(1717-N)

Introductory Speech of Academician A. N. Nenneyanov,
President of the Academy of Sciences USSR, 6 pp.

RUSSIAN, no per, Vest Ak Nauk SSSR, No 5, Moscow,
May 1958, pp 4-8.

JPRS 1273-N

Sci - Misc
Mar 59

83,735

Synthesis of Sodium Tetraphenylboron, by A. N. Nemsey-
anov, V. A. Sazonova, 1 p.

Full translation.

RUSSIAN, bimo per. In Ak Nauk SSSR. Otdel Khim Nauk,
No 1, Jan/Feb 1955, p 187. CIA D 151341

192.

Consultants Bureau

Scientific - Chemistry

24, 497

Jun 55

61-10640

Nesmeyanov, A. N., Freydlina, R. Kh., and
Belyavskiy, A. V.

TELOMERIZATION OF ETHYLENE WITH TETRA-
CHLOROETHYLENE. [1960] 4p. 4 refs.

Order from LC or SLA mi\$1.80, ph\$1.80 61-10640

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1958,
v. 122, no. 5, p. 821-824.

Tetrachloroethylene (1000ml) and water (500 ml) were placed in a rocking autoclave of stainless steel with a volume of 2700 ml. Ethylene was introduced at 50 atm and the mixture was heated at 140°C. Over a period of 15 hr, a total of 12 g of t-butyl peroxide in 200 ml of tetrachloroethylene was added at the rate of 20 ml every 1.5 hr. The mixture obtained was fractionated and the individual tetrachloroalkenes were determined. Reactions of tetrachloroalkenes (n = 2, 3) with diethylamine produced diethylamino compounds of the structure $(C_2H_5)_2N(CH_2CH_2)_nCCl = CCl_2$. Reactions of the diethylamino compounds with metallic sodium gave (Chemistry--Organic, TT, v. 5, no. 9) (over)

1. Vinyl chlorides--
Polymerization
 2. Ethylenes--Polymerization
 3. Title: Telomerization
- I. Nesmeyanov, A. N.
 - II. Freydlina, R. Kh.
 - III. Belyavskiy, A. V.

Office of Technical Services

(NY-3807).

First All-Union Conference of Higher Educational
Institutions on Radiochemistry of the USSR, by
A. V. Lapitskiy, An. N. Nesmeyanov, 8 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i
Khim Tekh, Vol II, No 6, 1959, pp 974-977.

JPRS 2807

118,680

Sci - Chem
Jun 60

Derivatives of Unsaturated Phosphonic Acids. Communication 3. β -Alkoxyethoxyvinylphosphonyl and β -Alkoxyethoxyvinylthiophosphonyl Chlorides, by K. N. Anisimov, N. E. Kolobova, A. N. Nesmeyanov, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, Sep-Oct 1954, pp 799-802. CIA C 39501

Consultants Bureau

Scientific - Chemistry
Nov 55 CTS/DEX

28,630

Reactivities of 1-Mono- and 1,1'-Bis-p-
Nitrophenylferrocenes and of 1,1'-
Diacylferrocene, by A. N. Kuznetsov, *11004-1200V*
E. G. Porvalova, R. V. Golovnya, N. A.
Simukova, O. V. Starovskiy, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1997, pp 638-639.

Consultants Bureau

Sci - Chem

May 99

88,111

Intramolecular Acylation in the Ferrocene Series.
Cyclization of γ -Ferrocenyl-Substituted Acids
and Keto Acids, by A. N. Nesmeyanov, N. A.
Vol'kenau, V. D. Vil'chevskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 3, 1958, pp 512-514.

Consultants Bureau

Sci - Chem

Jun 59

88,810

The Reaction of α -Cyanovinyl Ketones with Secondary Amines, by A. N. Nasranyanov, M. I. Rybinskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 4, 1958, pp 793-796.

Consultants Bureau

Sci - Chem

Jun 59

88,765

Condensation of ferrocene with Aldehydes, by A. N.
Nesmeyanov, I. I. Kritskaya, 2 pp.

Full tr

RUSSIAN, no per, Is Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1956, pp253-254. CIA 564998 C, Reel No 16

Consultants Bureau

Scientific - Chemistry
Sep 56 GRS/dex

38,451

Derivatives of Unsaturated Phosphonic Acids.
Communication 11. Diesters of 2-(2-Alkoxyethoxy)
Vinylphosphonic Acids, by K. N. Anisimov, N. E.
Kolobova, A. N. Nesmeyanov, 6 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 4, Sep/Oct 1955, pp 827-833.
CIA 542763-C, reel 3...

37,924
Consultants Bureau

Sci - Chemistry

Aug 56

Derivatives of Unsaturated Phosphonic Acids. Communication 18. 2-(Alkylthio) Vinylphosphonic Dichlorides and Their Derivatives, by K. N. Anisimov, N. E. Kolobova, A. M. Mesnyanov, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1, Jan/Feb 1956, pp 23-26. CIA 542767 C, reel 3.

Consultants Bureau

Sci - Chemistry

Aug 1956

37,566

Measurement of the Vapor Pressure of Solid
Chromium by Means of Radioactive Indicators,
by An. F. Nesmeyanov, De Dyk Man, 4pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXI, No 6,
1960, pp 1383-1385

CB

149,951

Sci

Apr 61

The Measurement of the Vapor Pressures of the Solid
Solutions Au-Ag and Au-Cu, by An. N. Nesmeyanov,
L. A. Smakhtin, V. I. Lebedev, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXII,
No 4, Jan/Feb 1957, pp 700-702.

Consultants Bureau

Sci - Chemistry
Dec 57

56,840

Some Reactions of Alkyl 2-Phenoxyvinyl Ketones,
by A. N. Nesmeyanov, N. K. Kochetkov, M. I.
Rybinskaya, E. V. Uglova, 6 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk, No 5,
Jul/Aug 1955, pp 649-656. CIA C 41476

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32, 6/2

Reaction of Alkyl Orthotitanates With Titanium
Tetrachloride in a Piperidine Medium, by A. N.
Nesmeyanov, R. Kh. Fy~~g~~ellina, E. M. Brainina,
4 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 987-991. CIA C 41022

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32,018

Investigation of the Products of the Addition
of Mercury Salts to Disubstituted Acetylenes,
by A. E. Borisov, V. D. Vilchevskaya, A. N.
Nesmeyanov, 7 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp ~~1362-1367~~. CIA C 41022
1008-1018

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32.019

Synthesis of Stereoisomeric Organomercury Compounds
via Organolithium Compounds, by A. N. Nesmeyanov,
A. E. Borisov, N. A. Volkenau, 8 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 992-1001. CIA C 41022

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32,017

Derivatives of Unsaturated Phosphonic Acids. Communication 6. Diesters of 2-Isopropoxy-, 2-Isobutoxy-, and 2-Isopentyloxy-Vinylphosphonic Acids, by K. N. Anisimov, H. E. Kolobova, A. N. Nesmeyanov, 6 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim. Nauk,
No 3, May-Jun 1955, pp 425-431. CIA C 39502

Consultants Bureau

USSR

Scientific - Chemistry

28,801
Nov 55 CTS/DEX

Reactions of 1,1'-Dinethylnorbornene, by A. N.
Moshchakov, E. G. Perevalova, Z. A. Eskinovicheta,
I. L. Palygina, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXX, No 6,
1958, pp 1263-1266.

Consultants Bureau

Sci - Chemistry

Jun 59

89,046

Mono- π -cyclopentadienyl Derivatives of Titanium,
by A. N. Nasmeyanov, O. V. Nogina, A. M. Berlin,
lpp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1961, pp 804-807

CB

Sci

Mar 62

189,002

✓
Derivatives of Unsaturated Phosphonic Acids,
Communication 13. Diesters of 2-(2-Alkoxyethoxy)
Vinylphosphono-Mono-, -Di-, and -Tri-Thioic Acids,
by K. N. Anisimov, N. E. Kolobova, A. N. Nesmeyanov,
4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, Nov/Dec 1955, pp 999-1002. CIA 542764 C, reel 3.

Consultants Bureau

37,628

Sci - Chemistry

Aug 1956

Derivatives of Unsaturated Phosphonic Acids.
Communication 10. Diesters of 2-Alkoxy- and 2-
Phenoxy-Vinylphosphonodithiolic and of 2-Alkoxy-
and 2-Phenoxy-Vinylphosphonotrithiolic Acids, by K. N.
Anisimov, N. B. Kolobova, A. H. Nesmeyanov, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 4, Sep/Oct 1955, pp 823-826.
CIA 542763-C, reel 3

37,931
Consultants Bureau

Sci - Chemistry

Derivatives of Unsaturated Phosphonic Acids.
Communication 9. Diesters of 2-Alkoxy- and 2-
Phenoxy-Vinylphosphonothionic Acids, by K. N.
Anisimov, N. E. Kolobova, A. N. Nesmeyanov,
2 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 15, Jul/Aug 1955, pp 669-670. CIA C 41476

Consultants Bureau

Scientific - Chemistry
Mar 56 CFB/dex

32,616

V
Reaction of Alkyl 2-Chlorovinyl Ketones With
Ethyl Acetoacetate, by N. K. Kochetkov, L. I.
Kudryashov, A. N. Nesmeyanov, 6 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 4, Sep/Oct 1955, pp 809-816.
CIA 542763-C, reel 3.

37,930
Consultants Bureau

Sci - Chemistry

Aug 56

SX
Synthesis of Arylpyrazoles, by N. K. Kochetkov,
E. D. Khomutova, O. B. Mikhailova, A. N.
Kozmeyanov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 10, 1957, pp 1181-1185.

CO
Consultants Bureau

Sci - Chem

May 59

86,933

Synthesis and Properties of Trichloromethyl - and
3,3-Dichloroallylmercury Compounds, by A. N. Mezay-
anov, R. Kh. Freidlina, F. K. Velichko, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1958, pp 40-44-46

Consultants Bureau

Sci - Chem

May 59

86, 865

V
Derivatives of Unsaturated Phosphonic Acids.
Communication 12. Bisdialkylemides of 2-(2-
Alkoxyethoxy)vinylphosphonic Acids, by K. N.
Anisimov, N. E. Kolobova, A. N. Nesmeyanov, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 8, Sep/Oct 1955, pp 834-837.
CIA 542763-C, reel 3.

57,926
Consultants Bureau

Sci - Chemistry

Aug 56

Nesmayanov, A. N. and Vol'kenau, N. A.
SOME CHROMIUM AREN CARBONYLS. 12 Dec 61, 5p.
(some formulas omitted) 10 refs.
Order from OTS or SLA \$1.10 63-14084

Trans. of Akad[emiya] Nauk SSSR. Otdel[enie]
Khim[icheski] Nauk, 1961 [no. 2] p. 367-368.

DESCRIPTORS: *Chromium compounds, *Carbonyl
radicals, *Benzenes, *Methanes, *Stilbenes, *Azides,
*Phenyl radicals, Chemical properties, Physical
properties, Complex compounds.

As a reaction of chromium hexacarbonyl with diphenyl
methane, trans-stilbene and 5.12-dihydrotetrazene
were obtained diphenyl methane chromium tricarbonyl,
stilbene chromium tricarbonyl and 5.12 dihydrotetra-
zene chromium tricarbonyl. Tolane, on reaction with
 $\text{Cr}(\text{CO})_6$, forms hexaphenyl benzol. Tetrazene does not
react with $\text{Cr}(\text{CO})_6$. In no case was bis-(chromium tri-
carbonyl) obtained. (Author)

63-14084

I. Nesmayanov, A. N.
II. Vol'kenau, N. A.

1244435

(Chemistry--Organic,
TT, v. 10, no. 6)
Office of Technical Services

Diphenylbromonium Salts ($\text{Ph}_2\text{BrPh}_2\text{B}$), by A. H. Mesnyanov,
T. P. Tolstaya, L. S. Isayeva, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, No 6, 1955,
pp 872-875.

LC or SLA 59-10028

Sci - Chemistry
Feb 59

1.80

81,554

Breakdown of the Ferrocene Nucleus by Hydrogenation
and the Action of Halogens, by A. N. Nesmeyanov,
E. G. Perevalova, R. V. Golovnya, T. V. Nikitina,
N. A. Simukova, 4 pp.

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk, No 6,
1956, pp 739-740.

Consultants Bureau

Sci - Chemistry
Feb 57 CTS

44, 130

Aminovinyl Ketones, Communication 5. Alkylation of
2-Dialkylaminovinyl Ketones. New Synthesis of
Hydroxymethylene Ketones, by N. K. Kochetkov, M. G.
Ivanova, A. N. Besmeyanov, 5 pp.

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk, No 6,
1956, pp 676-680.

Consultants Bureau

Sci - Chemistry
Feb 57 CTS

44, 118

Synthesis of Alkoxybromotitaniums and
Alkoxychloropolytitanoxanes, by A. N. Nesmeyanov,
E. M. Ibrahina, R. Kh. Freidlina, 6 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 4, Sep/Oct 1955, pp 838-843.
CIA 542763-C, reel 34

37,925

Consultants Bureau

Sci - Chemistry

Reaction of 2-Chlorovinyl Ketones With Anthracene,
by A. N. Nesmeyanov, M. I. Rybinskaya, N. K.
Koshetkov, 6 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, Sep/Oct 1955, pp 817-822.
CIA 542763-C, reel 3.

37,929
Consultants Bureau

Sci - Chemistry

Aug 56

A Study of the Stereochemistry of Substitution
Reactions at an Olefinic Carbon Atom by the
Isotope Method, by A. N. Neameyanov, O. A.
Reyutov, P. Knoll', 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 1,
1958, pp 99-102.

Consultants Bureau

Sci - Chem

Jun 59

88,826